

LISTing Newsletter

Newsletter of the Long Island
Sinclair/Timex Users Group

Next Meeting

January 1



Listing Policy

Annual Dues \$16.00

One "sample" copy sent upon receipt of Business size SASE.
Copies provided on EXCHANGE BASIS with other bona fide user
groups. LISTing is published monthly except July and August by
LIST (Long Island Sinclair Timex) Group, a not for profit user group.

We are always looking for articles, programs, reviews etc. to keep our
members informed and entertained. You maintain full credit and copyright.

Portions of this publication may be reproduced, without written consent.
Please give credit to LIST when reprinting articles.

LIST disclaims any responsibility for any damage you may do to your
computer as a result of reading any articles in LISTing.

LIST OFFICERS

 PRES. HARVEY RAIT
 U.P. BOB GILDER
 TRES. ROBERT MALLOY
 COR.SEC. JOHN PAZMINO
 EDITOR. FRED STERN
 LIBR. TOM SKAPINSKI

PLEASE SEND INQUIRIES TO:

LIST
 MR. HARVEY RAIT
 5 PERI LANE
 VALLEY STREAM, N.Y. 11581

PLEASE SEND SUBMISSIONS TO:

LISTING
 MR. FREDERIC STERN
 P.K. BOX 264
 HOLBROOK, N.Y. 11741

COMING EVENTS:

JAN. 08, 1995 LIST MEETING.

 SPECIAL NOTICE

THE NEXT MEETING WILL BE HELD AT
 HARVEYS HOME;
 5 PERI LANE
 VALLEY STREAM, N.Y.

MEETING MINUTES

 REPORTED BY: FRED STERN.
 DEC. 11, 1994

 THE MEETING WAS CALLED TO ORDER
 BY HARVEY AT 2:00PM

IN THE MAIL WE RECEIVED NEWS-
 LETTER EXCHANGES, AND MEMBERSHIP
 RENEWALS.

IT IS WITH SORROW THAT WE REPORT
 THE DEATH OF MR. KENNETH LANG.
 KEN WAS A LOVER OF THE QL, AND
 ATTENDED LIST MEETINGS RELIGIOUSLY.
 IT WAS REPORTED THAT HIS
 DEATH WAS DO TO A HEART ATTACK AT
 THE AGE OF 43. KEN WILL BE MISS-
 ED BY US ALL. OUR CONDOLENCES
 ARE EXTENDED TO HIS FAMILY.

GET WELL WISHES ARE EXTENDED TO
 HARVEY RAIT AN BOB MALLOY.
 HARVEY HAS JUST COME HOME FROM A
 SHORT STAY IN THE HOSPITAL AND
 BOB IS HOME IN SICK BED.

ITS DUES TIME AGAIN. YOUR DUES
 DO DATE IS ON THE LISTING ADD-
 RESS LABLE. THIS IS YOUR USERS
 GROUP, SO DO YOUR SHARE TO SUP-
 PORT IT.

 * LIST * LIST * LIST * LIST *

 * LIST * LIST * LIST * LIST *

 * LIST * LIST * LIST * LIST *

CLASSIFIEDS

 THIS CLASSIFIED SECTION IS
 AVAILABLE TO ALL LIST MEMBERS
 FREE OF CHARGE.

THE ONLY RESTRICTION IS THAT
 IT IS TO BE USED ONLY FOR THE
 SEEKING, SELLING OR SWAPPING
 OF SINCLAIR, TIMEX OR MICROACE
 COMPUTER EQUIPMENT, PERIPHERALS
 AND SOFTWARE.

LISTING, LIST, AND ITS OFFICERS
 DO NOT ENDORSE, WARRANTY, OR
 GUARANTEE ANY OF THE ITEMS
 LISTED IN THIS CLASSIFIED
 SECTION

THE FOLLOWING PUBLICATIONS ARE
 AVAILABLE ONLY THROUGH LIST:

ZX-81/TS1000 TECHNICAL TIDBITS
 TECHNICAL TIDBITS PART II
 SAVINGS AND LOAD OF THE TIMEX
 COMPUTER
 \$4.00 EACH.

FOR SALE: TIMEX PRINTER PAPER,
 3 ROLLS - \$5.00+ POSTAGE.
 CONTACT: FRED STERN 516-737-0963
 EVENINGS AND WEEKENDS.

A FINAL WORD

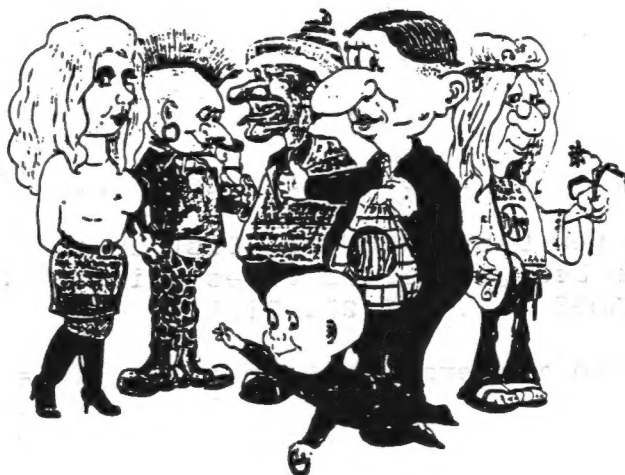
 MY NAME IS FRED STERN AND I AM
 THE EDITOR OF THIS EDITION OF
 LISTING.

ON BEHALF OF THE OFFICERS AND
 LEADERSHIP OF LIST, I WOULD LIKE
 TO EXTEND TO ALL OUR READERS A
 HAPPY AND HEALTHY NEW YEAR.

THANK YOU TO BOB GILDER FOR THE
 GREAT JOB HE IS DOING AND TO
 HARVEY FOR THE USE OF HIS HOME.

SEE YOU ALL AT THE NEXT MEETING.

Meet the Gang!



QL CORNER

✓ December was a pretty good month for me and my QL. I received the SMSQ/E operating system from Jochen Merz and the QL Collection from Digital Precision, Ltd, and several new disks for the QUANTA library.

The whole of the QL Collection was archived with ZIP and unzipping was rather easy, as the BOOT program contained a menu of all 64 programs. The menu displayed a number for each program, the title of each program, an "M" indicating a program Manual, and the disk location number for each program. A sample listing of the MENU below:

```
1 DATA 3D PRECISION COMPUTER-AIDED 2D/3D DESIGN SYSTEM,M,RUNTIME_EXTS,3DP,6,9
2 DATA ADVENTURE CREATION TOOL SPECIAL EDITION SYSTEM,M,ACT,2,6
3 DATA ARCADIA/BACKGAMMON/BLOCKLANDS/DROIDZONE/REVERSI,(N/A),GAMES,6,0
```

After running the boot program, the Menu displays one of four screens and requests an input of a program number or if you want that particular program manual, you must type in ,say, 33M which will unzip the Perfection Plus Manual. Before Unzip does it's job, the program requires that a disk be inserted into drive 2 (flp2_) for formatting. Since almost all of my disks are pre-formatted, I just added three REMarks at line 121, 122, and 123 on the BOOT program and the unzipping began immediately.

The only problem I encountered was with the Perfection manuals - Disk three had a bad sector, Track 35, side 1, sector 2. When I LOAded the Perfection Manual into Perfection and scrolled down through the text to line 1269 the text turned into gibberish, appearing to be a foreign language. Two of the Perfection manuals displayed this problem which was due to the faulty track and sector. I have returned that disk to Digital Precision for replacement.

Perfection Plus appears to a truly professional word processor and I anticipate that I will be using this program quite a bit when I receive disk3 containing the manuals. One of the features that I like is that any type of text file loads into Perfection without balking, including _doc's.

The majority of the programs within the QL Collection are of interest to me. I have never been interested in playing games on the QL, so those games within the QL Collection will gather some dust. Several utilities such as RECOVER ENGINE will to be a good addition to my library, as I have in the past lost some data due to corruption or an open file on media. RECOVER ENGINE will provide a means to capture lost data or at least, close an open file making the disk accessible.

Before I ordered this disk collection, I had purchased at least six programs from Digital Precision and even though they are part of the QL Collection, each of these programs have been upgraded as indicated on the disk name with _SE appended onto the program name.....More next month.

For QUANTA members only:

Three new Library disks are available:

The new Library Guide, Disk LB 01
Line Design Graphic files, Disk GR 04
XCHANGE Ver. 3.9.0I, Disk PS 06

QUANTA members can either call me or write to me: Bob Gilder, 69 Jefferson Place, Massapequa, NY 11758 - Telephone 516-541-2271 9:00AM thru 10:00 PM 7 days a week. I can copy files onto 5 1/4" DD or 3.5" DD diskettes 50 cents per disk. Please state your choice. I will send you a bill with the cost of the diskettes and postage and handling which you can then send me a check for the amount on the enclosed bill.

The SMSQ/E, Tony Tebby's new operating system, on disk and with an operating manual arrived early in December. I read the manual twice and BOOTed the SMSQ system in the QL. I attempted to load several programs which I use daily, only to find that they would not be accepted. I was really frustrated at this attempt which had failed since the documentation stated that SMSQ was compatible with 99.9% of QL Programs.... and if programs were compiled with TURBO, then those programs must be booted within SBASIC. And something else bothered me; ALT Keys would not respond. When QRAM was LOADED, pressing "ALT/" would not wake QRAM. When EDITOR was LOADED, none of the ALT Key combinations would work!

SMSQ loads the POINTER ENVIRONMENT and typing EXTRAS indicates that all of the 'HOT_' procedures and functions are also present. I don't have QPAC1 or 2, however I do have the Jochen Merz 'Thing and Eprom Manager II & III' which details boot programs for using HOT Keys. I followed the information, copied some of the BOOT programs, ran them....and nothing happened. What bothers me is why documentation for the HOT Key system is not included in the SMSQ manual. I figured that I had better forget about SMSQ for a while and concentrate on other things for a while.

Approximately one week later I decided that perhaps I had missed something in the SMSQ compatible Operating System for the Gold Card Family. So.... I decided that I must do as I always had done with a new program; type out the manual. I'm going to digress for a few moments:

For approximately 33 years I had been an educator within the airline industry. I had to prepare operating manuals for Customer Service, Aircraft and Ground Services and Aircraft Maintenance. Some of the subject matter was well above my head; so I developed a technique which provided me with the ability to learn as I prepared my manuals and tutorials.

First read the manual, write or type out the manual, proof-read the manual, correct any mistakes in the manual and proof-read the manual over again and then print out the manual and re-read it over again. The theory for this method of learning complicated subjects began when I attended a series of psychology courses at the Miami Dade County Junior College. One of the subjects detailed how people learn and the following information within the next line stuck with me for the rest of my life: Within a group of, say, 10 students, one or two students will grasp everything thrown at them. At least one or perhaps two were at the bottom of the pack; they could rarely grasp the subject matter. The remaining six or seven students required seven (7) repetitions of the subject matter before it sank in!

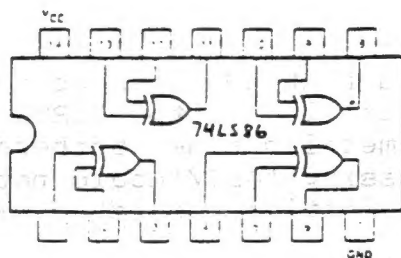
Realizing that I was one of the seven students, I developed the above method for learning just about anything that I desired to learn.... so, I apply this technique for learning any new subject such as a new, complicated, computer program. Eventually, I began to load in some of my necessary programs; some I was able to execute directly and other programs were loaded from SBASIC Boots.

Multitasking is swift and clean. I should say it is snappy! SBASIC has a line editor which allows easier editing of SBASIC programs. A statement such as "EDIT 105" displays the SBASIC program and the cursor is on that line. Start EDITing, press SPACE and the line becomes black with white characters. When EDITing is accomplished you can press ENTER and a new line number with a blank line appears between appears between the previous line and the next line in the listing. If you have no need for an additional Line, press ESC twice and the cursor is switched to channel #0. There are rapid keystroke combinations which perform fast editing, such as: TAB/SHIFT move 8 characters left, TAB move 8 characters right, and quite a few ALT, CTRL, and SHIFT/CTRL combinations.

If any one in QL Land can offer some help on setting up the Pointer Environment HOT Keys, I would certainly appreciate it. More next month....Bob Gilder

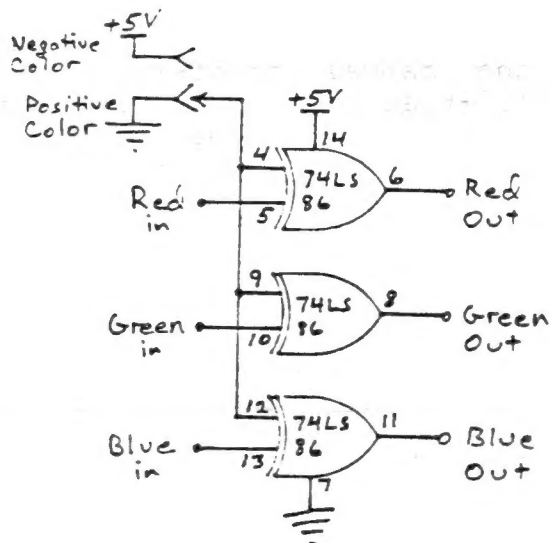
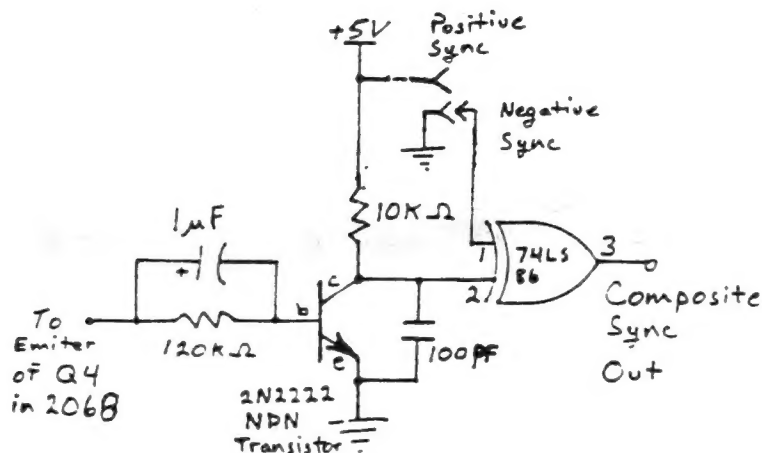
Better RGB Circuit

TS1000 TAPE UNLOCKER
Tim L. Ward



TRUTH TABLE

IN		OUT
A	B	Z
L	L	L
L	H	H
H	L	H
H	H	L



The circuit described in the february 1986 issue of SUM was designed around the Sears RGB/TV/Monitor (same as the Sanyo model # 31C426) and the Magnavox (NAP) RGB-40 or 80.

Both of these monitors (and the QL monitor as well) take negative-going composite sync and active high RGB signals and have well buffered inputs to clean up any poor inputs.

Here is a short program which will permit you to make backup tapes of non-standard beginnings or ends. First, type in this very short POKE routine:

```
10 REM 012345678
20 FOR X=16514 TO 16522
30 INPUT A
40 POKE X,A
```

Then RUN this short program entering the following nine numbers when the program pauses for them in line 30. 62,0,50,0,64,1,55,0,201. After the numbers have been entered line 10 should look as shown below:

```
10 REM Y M RND R TAN
```

Now add the rest of the program

```
20 REM TAPE LOCKER PUBLIC DOMAIN
   LIBRARY OF TIM WARD
30 SCROLL
40 PRINT "INPUT PROGRAM NAME"
50 INPUT N$
60 POKE 16520, CODE N$(LEN N$)
70 LOAD N$(TO LEN N$-1)+CHR$
   USR 16514
80 REM NO MORE WORRY ABOUT TAPES
   THAT WON'T LET YOU MAKE COPIES OR
   LISTINGS
90 STOP
100 SAVE "UNLOCK"
110 LIST
```





TOTALLY AWESOME turns the name of this totally awesome magazine into the most unusual, most different, cleverest, and strangest graphic you have ever seen.

To see this awesome graphic, just enter the program using your 16K RAM pack. (The program will run in 2K but the results are better in 16K.) Type RUN and ENTER, and watch. If you see something real cool just press the P key. Then it will wait for you to press another key. If you want to stop the program, hold down the S key and press BREAK. One more thing: if you turn up the volume of your television, you will hear music. Submitted by Mark Neirick of Des Plaines, Illinois. (T/S1000,1500,ZX81 2K).

TIMEX SINCLAIR USER

```

10 REM Y2 GOSUB ?TAN
20 SLOW
30 POKE 16517,71
50 PRINT AT 9,2;"...##...###.##...#..."
60 PRINT AT 10,3;"...###.#####.##.#####.##."
70 PRINT AT 11,3;"...#.#...###.##...#...###..."
80 PRINT AT 12,3;"...#####.###.##.#####.###..."
90 PRINT AT 13,3;"...###...###...#...#...#...#..."
100 LET L=USR 16514
110 LET K=RND*29
120 IF INKEY$="P" THEN PAUSE 4E4
130 IF INKEY$="S" THEN LET K=30
140 POKE 16515,K
150 GOTO 100

```

Note: . = inverse space
= space

USR KEY

ONE TOUCH...! FOR USR "TOKEN"

In your TS1000, to select a function, you first press SHIFT-ENTER giving you the **F** cursor. Then press the key for the function you want. Remember that the FUNCTION key is a prefix key: you use it before pressing the that has the symbol you want to display. This is different from the SHIFT key, wich you hold down while you press the other key.

USR function

Purpose of this function: branches to a machine language program. The USR function link a machine code program to a BASIC program. To select USR, you first press FUNCTION key (SHIFT-ENTER). Then press the L key.

Summarily: you need press three key for USR function. Now, with big keyboards as surplus TI (these keybeards contain 48 key) you can obtain a dedicate one touch **USR** key. And this key live...! when you press the **USR** key this make a beep sound!.. Beeper is available also with FUNCTION key but you can avoid sounds, this is optative.

I have made this improvement some years ago, until now work fine and is very useful.

Give me a great job to find a device that send a negative pulse after delay of trigger (pressing key), but I have found a useful trick with the 555 timer IC, and this work..!

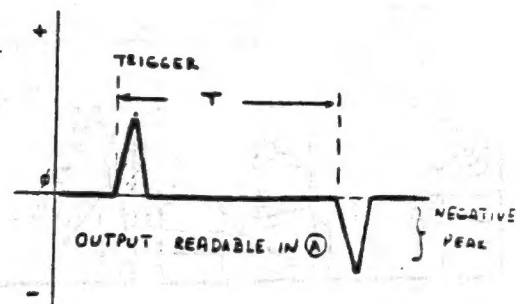
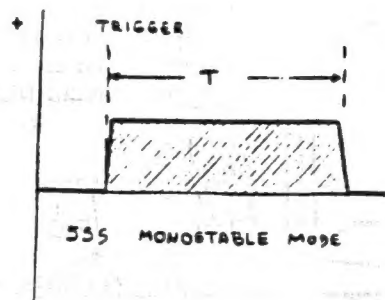
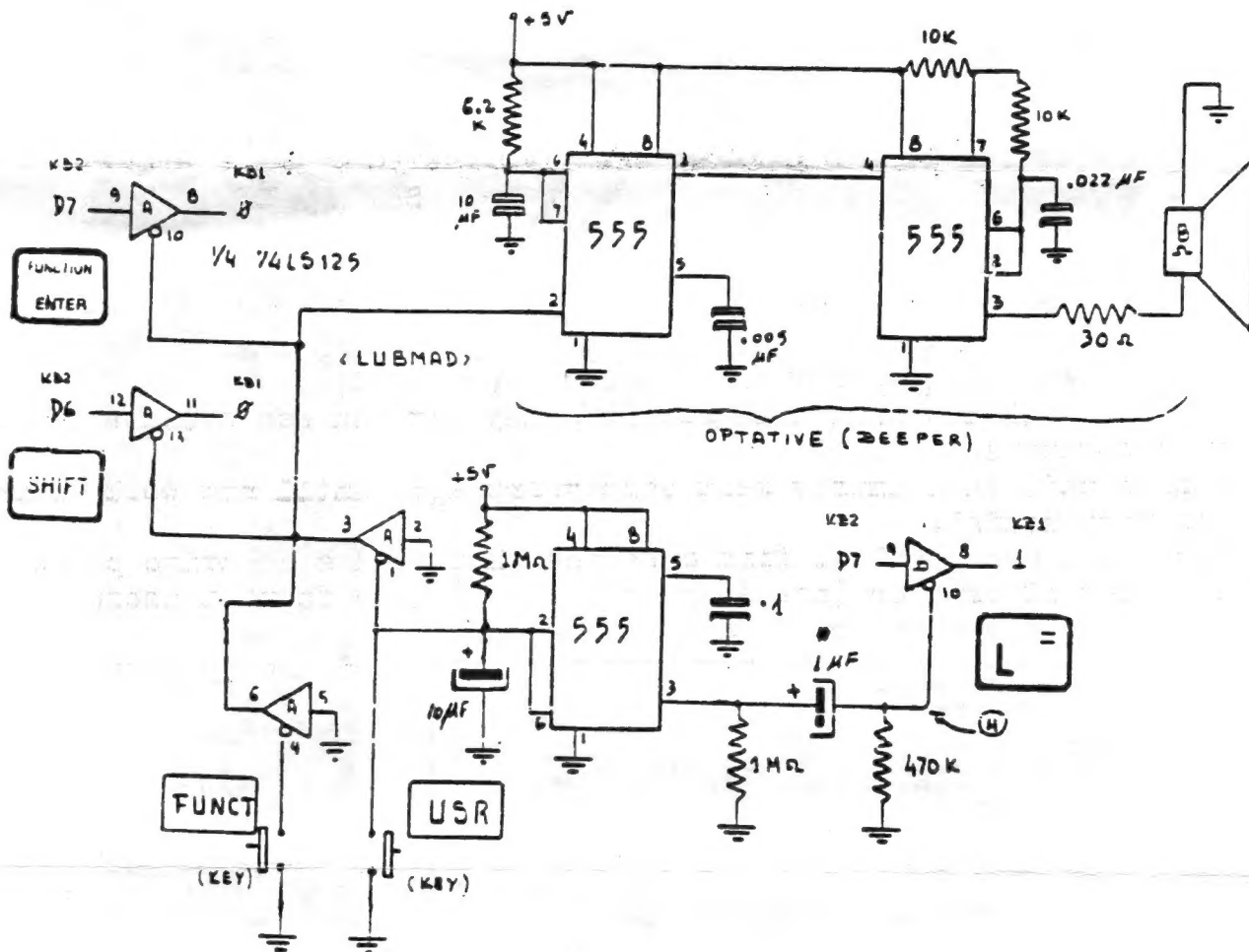
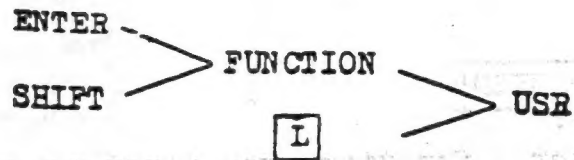
Referred to connectionn of key into a TI keyboard see my article in QZX April 1986 "USING EXTRA KEYS ON TI KEYBOARD".

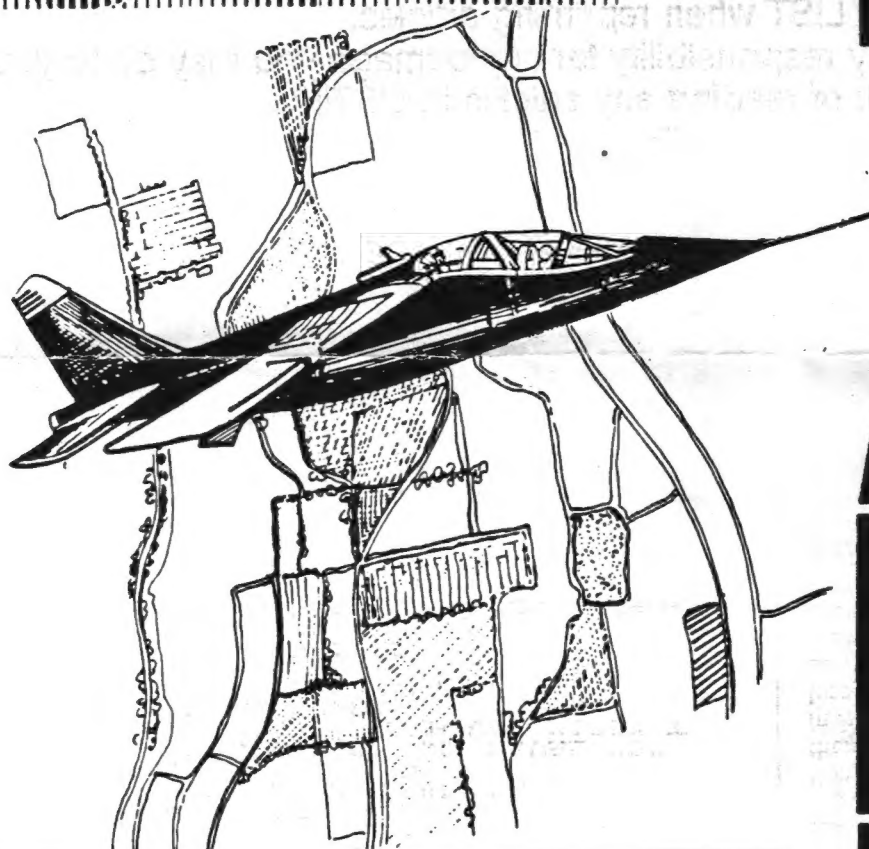
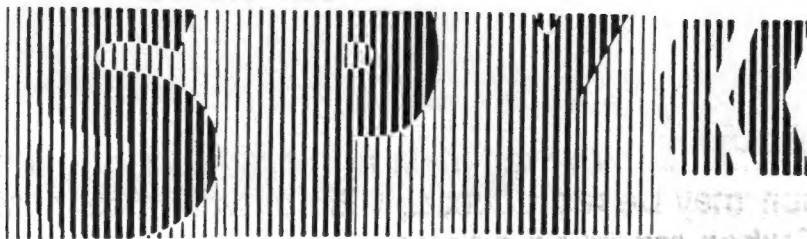
73's ... Guillermo (LU8MAD)

.... Continue Next Page

DILBERT







PLANET

```

10 LET S=VAL "5"
20 LET X=VAL "11"
30 CLS
40 LET A=VAL "15"
50 FOR B=VAL "10" TO VAL "50"
60 LET A=A+(A*VAL "19" AND AND
VAL ".4")-(A*VAL "13" AND AND(U
AL ".5")
70 FOR C=VAL "13" TO A
80 PLOT B,C
90 NEXT C
100 IF AND VAL ".8" AND B VAL "
12" THEN PLOT B,A+VAL "AND*6"
110 NEXT B
120 FOR A=VAL "1" TO VAL "26"
130 LET X=X+(INKEY$="6")-(INKEY
$="7")
140 PRINT AT X,A;
150 GOSUB VAL "250"
160 IF H VAL "0" AND H VAL "3"
OR H VAL "127" AND H VAL "136" T
HEN PRINT S;0
170 PRINT AT X,A;"L"
180 PRINT AT X,A+VAL "2";
190 GOSUB VAL "250"
200 IF H VAL "0" AND H VAL "6"
OR H VAL "127" AND H VAL "136" T
HEN LET S=S+PI/PI
210 PRINT AT X,A;"."
220 NEXT A
230 PRINT S+PI/PI
240 STOP
250 LET H=PEEK VAL "PEEK 16398+
256*PEEK 16399"
260 RETURN

```

SPY PLANE is a quick program for the 1K ZX-81 in which you are the pilot of a reconnaissance aircraft swooping over enemy territory.

You can photograph the installations successfully only by getting them less than two print positions in front of the nose camera. Gain or lose height with keys 6 and 7 and beware of crashing.

Submitted by J Corney, of Braintree, Essex, who reckons that 10 photographs or more is the mark of a real daredevil.